

P20934.A03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Kazutoshi YASUNAGA et al.

Group Art Unit: 2641

Serial No : 09/807,427

Filed : April 20, 2001

For : APPARATUS AND METHOD FOR SPEECH CODING



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INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure under 37 C.F.R. §1.56 and §§1.97-1.98, the Applicant hereby calls the following documents to the Examiner's attention:

"Code-Excited Linear Prediction (CELP): High Quality Speech at Very Low Bit Rates" by M.R. Schroeder et al., Proc. ICASSP 1985, pp.937-940, (referred to on the first page of the specification);

"Fast CELP coding based on algebraic codes" by J-P. Adoul et al., Proc. IEEE Int. Conf. Acoustics, Speech, Signal Processing, 1987, pp. 1957-1960 (referred to on page 39 of the specification);

"A comparison of some algebraic structures for CELP coding of speech" by J-P. Adoul et al., Proc. IEEE Int. Conf. Acoustics, Speech, Signal Processing, 1987, pp. 1953-

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1956 (referred to on page 39 of the specification);

“Design and Description of CS-ACELP: A Toll Quality 8 kb/s Speech Coder” by Redwan Salami et al., IEEE trans. SPEECH AND AUDIO PROCESSING, vol. 6, no. 2, March 1998 (referred to on page 40 of the specification); and

Japanese Laid-open Patent Publication No. 10-232696, published September 2, 1998. An English language abstract of the same is provided.

The Applicant also brings to the Examiner’s attention the documents that were cited in an international search report issued by the Japanese Patent Office on October 6, 2000 with regard to the PCT counterpart of the present application. An English-language version of the search report and English language abstracts for the foreign patents cited have been provided to satisfy the requirement for a concise explanation of relevance. The following is the list of documents cited in the International Search Report:

Japanese Laid-open Patent Publication No. 10-233694 to Matsushita Electric Ind. Co., Ltd., published September 2, 1998. This corresponds to EP Publication No. 0883107, a copy of which is provided;

Japanese Laid-open Patent Publication No. 10-282998 to Matsushita Electric Ind. Co., Ltd., published October 23, 1998. An English language abstract of the same is provided;

Japanese Laid-open Patent Publication No. 9-152897 to Hitachi Ltd., published June

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10, 1997. An English language abstract of the same is provided.

The international search report cites JP 10-233694 as relevant to claims 1-14 as a "Y" category document. A "Y" category designates documents of particular relevance. The international search report additionally cites JP 10-282998 as relevant to claims 1-6 and 13, and JP 9-152897 as relevant to claims 7-12 and 14 as "A" category documents. The "A" category designates documents defining the general state of the art which is not considered to be of particular relevance.

A copy of the above-noted documents are attached and have been listed on a PTO-1449 Form which is also attached hereto. Accordingly, the Examiner is requested to initial the appropriate spaces on the attached PTO-1449 Form and to return a copy of the Form to the Applicant with the next official communication in the present application to confirm consideration of this document.

Applicant also calls the following copending, commonly assigned documents to the Examiner's attention:

U.S. Patent Application No. 09/319,933 to YASUNAGA et al., filed on June 18, 1998; and

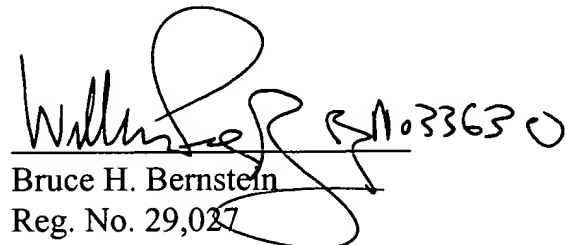
U.S. Patent Application No.09/101,186 to YASUNAGA et al., filed on July 6, 1998.

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In accordance with 37 C.F.R. §1.98(a)(2)(iii), copies of the specification, claims, and drawings of the above-mentioned co-pending applications are attached hereto. U.S. Patent Application No. 09/101,186, listed above, is a parent application that shares a substantially similar specification with the following continuaction/divisional U.S. Patent Applications: 09/440,087, 09/440,083, 09/440,092, 09/440,119, 09/440,093, 09/855,708, 09/849,398, 09/843,939, 09/843,938, and 09/843,877. To avoid redundancy, copies of the continuation /divisional applications is not provided with this IDS. The Examiner is, none-the-less, encouraged to review the file wrapper of these U.S. patent applications at the U.S. Patent and Trademark Office. If for any reason the Examiner cannot locate any of the applications, the Applicant will provide any requested materials, if possible.

Should the Examiner have any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully submitted,
Kazutoshi YASUNAGA et al.


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Form PTO-1449

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Patent and Trademark OfficeAtty. Docket No.
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09/807,427INFORMATION DISCLOSURE STATEMENT
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(Use several sheets if necessary)

Applicant
Kazutoshi YASUNAGA et al.

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U.S. PATENT DOCUMENTS

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	1 0 2 3 2 6 9 6	09/02/98	JAPAN			
	1 0 2 3 3 6 9 4	09/02/98	JAPAN			
	0 8 8 3 1 0 7	12/09/98	E.P.O.			
	1 0 2 8 2 9 9 8	10/23/98	JAPAN			
	9 - 1 5 2 8 9 7	06/10/97	JAPAN			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1	English Language Abstract of JP 10-232696.
2	English Language Abstract of JP 10-233694.
3	English Language Abstract of JP 10-282998.
4	English Language Abstract of JP 9-152897.
5	"Code-Excited Linear Prediction (CELP): High Quality Speech at Very Low Bit Rates" by M.R. Schroeder et al., Proc. ICASSP 1985.
6	"Fast CELP coding based on algebraic codes" by J-P. Adoul et al., Proc. IEEE Int. Conf. Acoustics, Speech, Signal Processing, 1987, pp. 1957-1960.
7	"A comparison of some algebraic structures for CELP coding of speech" by J-P. Adoul et al., Proc. IEEE Int. Conf. Acoustics, Speech, Signal Processing, 1987, pp. 1953-1956.
8	"Design and Description of CS-ACELP: A Toll Quality 8 kb/s Speech Coder" by Redwan Salami et al., IEEE trans. SPEECH AND AUDIO PROCESSING, vol. 6, no. 2, March 1998.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.